

Substitute for form 1449A/PTO SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANTS <i>(Use as many sheets as necessary)</i>		Application Number	10/827,390
		Filing Date	April 19, 2004
		First Named Inventor	Lowell L. Wood, Jr.
		Group Art Unit	3763
		Examiner Name	Catherine S. Williams
Sheet 1 of 19	Attorney Docket Number		0803-004-001D-000000

U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. ¹	U.S. Patent Number Number-Kind Code ² (if known)	Issue Date (MM-DD-YYYY)	Name of Patentee
	AA	7,131,979 B2	11-07-2006	DiCarlo et al.
	AB	7,125,382 B2	10-24-2006	Zhou et al.
	AC	7,042,184 B2	05-09-2006	Oleynikov et al.
	AD	7,013,177 B1	03-14-2006	Whitehurst et al.
	AE	7,003,352 B1	02-21-2006	Whitehurst, Todd K.
	AF	6,991,617	01-31-2006	Hektner et al.
	AG	6,960,227 B2	11-01-2005	Jones et al.
	AH	6,959,215 B2	10-25-2005	Gliner et al.
	AI	6,953,589 B1	10-11-2005	Trautman et al.
	AJ	6,950,707 B2	09-27-2005	Whitehurst, Todd K.
	AK	6,929,636 B1	08-16-2005	Von Alten, Thomas W.
	AL	6,925,357 B2	08-02-2005	Wang et al.
	AM	6,921,413 B2	07-26-2005	Mahadevan-Jansen et al.
	AN	6,920,359 B2	07-19-2005	Meadows et al.
	AO	6,890,303 B2	05-10-2005	Fitz, Matthew Joseph
	AP	6,861,001 B2	03-01-2005	Lee et al.
	AQ	6,855,115 B2	02-15-2005	Fonseca et al.
	AR	6,849,183 B2	02-01-2005	Gorsuch et al.
	AS	6,824,561 B2	11-30-2004	Soykan et al.
	AT	6,797,522 B1	09-28-2004	Still et al.
	AU	6,773,429 B2	08-10-2004	Sheppard, Jr. et al.
	AV	6,764,441 B2	07-20-2004	Chiel et al.
	AW	6,755,803 B1	06-29-2004	Le et al.
	AX	6,743,211 B1	06-01-2004	Prausnitz et al.
	AY	6,735,475 B1	05-11-2004	Whitehurst et al.

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	AZ	6,712,835 B2	03-30-2004	Mazzocchi et al.
	BA	6,679,893 B1	01-20-2004	Tran, Quang Q.
	BB	6,673,363 B2	01-06-2004	Luo et al.
	BC	6,669,683 B2	12-30-2003	Santini, Jr. et al.
	BD	6,632,216 B2	10-14-2003	Houzeo et al.
	BE	6,616,676 B2	09-09-2003	Bashiri et al.
	BF	6,607,553	08-19-2003	Healy et al.
	BG	6,597,954 B1	07-22-2003	Pless et al.
	BH	6,591,137 B1	07-08-2003	Fischell et al.
	BI	6,585,763 B1	07-01-2003	Keilman et al.
	BJ	6,512,950 B2	01-28-2003	Li et al.
	BK	6,464,687 B1	10-15-2002	Ishikawa et al.
	BL	6,436,120 B1	08-20-2002	Meglin, Allen J.
	BM	6,409,674 B1	06-25-2002	Brockway et al.
	BN	6,402,678 B1	06-11-2002	Fischell et al.
	BO	6,398,280 B1	06-04-2002	Parker et al.
	BP	6,372,248 B1	04-16-2002	Qin et al.
	BQ	6,337,997 B1	01-08-2002	Rise, Mark T.
	BR	6,322,532 B1	11-27-2001	D'Sa et al.
	BS	6,278,379 B1	08-21-2001	Allen et al.
	BT	6,255,361 B1	07-03-2001	Rajagopalan et al
	BU	6,219,577 B1	04-17-2001	Brown, III et al.
	BV	6,187,599 B1	02-13-2001	Asher et al.
	BW	6,185,452 B1	02-06-2001	Schulman et al.
	BX	6,170,488 B1	01-09-2001	Spillman, Jr., et al.

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	BY	6,164,284	12-26-2000	Schulman et al.
	BZ	6,159,230	12-12-2000	Samuels, Shaun L.W.
	CA	6,134,474	10-17-2000	Fischell et al.
	CB	6,128,538	10-03-2000	Fischell et al.
	CC	6,111,520	08-29-2000	Allen et al.
	CD	6,022,316	02-08-2000	Eppstein et al.
	CE	6,016,449	01-18-2000	Fischell et al.
	CF	6,964,773	10-12-1999	Greenstein, Robert J.
	CG	5,873,835	02-23-1999	Hastings et al.
	CH	5,843,139	12-01-1998	Goedeke et al.
	CI	5,830,207	11-03-1998	Leeb et al.
	CJ	5,830,179	11-03-1998	Mikus et al.
	CK	5,831,012	11-03-1998	Nilsson et al.
	CL	5,804,563	09-08-1998	Still et al.
	CM	5,782,798	07-21-1998	Rise, Mark T.
	CN	5,728,089	03-17-1998	Lal et al.
	CO	5,705,293	01-01-1998	Hobson, David O.
	CP	5,662,587	09-02-1997	Grundfest et al.
	CQ	5,624,398	04-29-1997	Smith et al.
	CR	5,610,488	03-11-1997	Miyazawa, Osamu
	CS	5,569,968	11-29-1996	Lal et al.
	CT	5,574,347	11-12-1996	Neubauer, Werner
	CU	5,554,914	09-10-1996	Miyazawa, Osamu
	CV	5,497,147	03-05-1996	Arms et al.
	CW	5,386,741	02-07-1995	Rennex, Brian G.

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Examiner Initials*	Cite No. ¹	U.S. Patent Number Number-Kind Code ² (if known)	Issue Date (MM-DD-YYYY)	Name of Patentee
	CX	5,338,625	08-16-1994	Bates et al.
	CY	5,337,732	08-16-1994	Grundfest et al.
	CZ	5,335,657	08-09-1994	Terry, Jr. et al.
	DA	5,314,451	05-24-1994	Mulier, Peter M.J.
	DB	5,279,607	01-18-1994	Schentag et al.
	DC	5,269,303	12-14-1993	Wernicke et al.
	DD	5,019,372	05-28-1991	Folkman et al.
	DE	4,771,772	09-20-1988	DeWitt, James L.

U.S. PATENT APPLICATION DOCUMENTS				
Examiner Initials*	Cite No. ¹	U.S. Patent Application Publication Number Number-Kind Code ² (if known)	Publication Date (MM-DD-YYYY)	Name of Applicant
	DF	2006/0119304 A1	06-08-2006	Farritor et al.
	DG	2006/0004395 A1	01-05-2006	Chiel et al.
	DH	2005/0278020 A1	12-15-2005	Wang et al.
	DI	2005/0238689 A1	10-27-2005	Carpenter et al.
	DJ	2005/0221529 A1	10-06-2005	Bang et al.
	DK	2005/0216074 A1	09-29-2005	Sahatjian et al.
	DL	2005/0203613 A1	09-15-2005	Arney et al.
	DM	2005/0182482 A1	08-18-2005	Wang et al.
	DN	2005/0126916 A1	06-16-2005	Lockard et al.
	DO	2005/0121411 A1	06-09-2005	Cohen, Adam L.
	DP	2005/0113460 A1	05-26-2005	Glick, Gary D.
	DQ	2005/0079132 A1	04-14-2005	Wang et al.

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U.S. PATENT APPLICATION DOCUMENTS				
Examiner Initials*	Cite No. ¹	U.S. Patent Application Publication Number Number-Kind Code ² (if known)	Publication Date (MM-DD-YYYY)	Name of Applicant
	DR	2005/0069925 A1	03-31-2005	Ford et al.
	DS	2005/0065592 A1	03-24-2005	Holzer, Asher
	DT	2004/0225325 A1	11-11-2004	Bonutti, Peter M.
	DU	2004/0073190 A1	04-15-2004	Deem et al.
	DV	2004/0064093 A1	04-01-2004	Hektner et al.
	DW	2004/0018508 A1	01-29-2004	Friedman, Stephen B.
	DX	2003/0220556 A1	11-27-2003	Porat et al.
	DY	2003/0152823 A1	08-14-2003	Heller, Adam
	DZ	2003/0065358 A1	04-03-2003	Frecker et al.
	EA	2002/0198604 A1	12-26-2002	Schulman et al.
	EB	2002/0147480 A1	10-10-2002	Mamayek, Donald S.
	EC	2002/0090388 A1	07-11-2002	Humes et al.

FOREIGN PATENT DOCUMENTS					
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	ED	JP 2005-74229	03-24-2005	Japan	No
	EE	WO 03/106966 A2	12-24-2003	Heller et al.	yes
	EF	WO 99/20335	04-29-1999	Samuels, Shaun L.	Yes
	EG	WO 98/14243	04-09-1998	Chen et al.	Yes

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NON PATENT LITERATURE DOCUMENTS		
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	EH	"001_08 Comparison of Capsule Cameras: M2A (Given Imaging) vs. NORIKA3 (RF System lab)" RF System lab; bearing dates of 2001-2004; pp. 1-2; located at http://www.rfnorika.com/eng/system/sys_008.html ; printed on 5/04/2006
	EI	"A Hydrogel-based CO2 sensor"; BIOS – The lab on a chip group; bearing a date of 08/29/2005; pp. 1-2; located at: http://bios.ewi.utwente.nl/research/analysissystemssensors/ahydrogelbased.doc/index.html ; printed on 04/25/2006; University of Twente; the Netherlands
	EJ	AGARWAL, ABHISHEK K.; ATENCIA, JAVIER; BEEBE, DAVID J.; JIANG, HONGRUI; "Magnetically-driven temperature-controlled microfluidic actuators"; pp. 1-5; located at: http://www.unl.im.dendai.ac.jp/INSS2004/INSS2004_papers/OralPresentations/C2.pdf
	EK	"Agile new plastics change shape with heat"; MIT News Office; November 20, 2006; pp. 1-4; Massachusetts Institute of Technology; printed on 11/22/2006; located at http://web.mit.edu/newsoffice/2006/triple-shape.html
	EL	"Agile new plastics change shape with heat"; MIT Tech Talk; November 22, 2006; p. 5 (1 page)
	EM	ANANTHASWAMY, ANIL; "First robot moved by muscle power"; bearing a date of 2/27/2004; pp. 1-3; New Scientist; located at http://www.newscientist.com/article.ns?id=dn4714 ; printed on 9/12/2006
	EN	ASARI, VIJAYAN K.; KUMAR, SANJIV; KASSIM, IRWAN M.; "A Fully Autonomous Microrobotic Endoscopy System"; Journal of Intelligent and Robotic Systems; bearing a date of 2000; pp. 325-341; Volume 28; Kluwer Academic Publishers
	EO	BEHKAM, BAHAREH; SITTL, METIN; "TOWARDS HYBRID SWIMMING MICROROBOTS: BACTERIA ASSISTED PROPULSION OF POLYSTYRENE BEADS"; Proceedings of the 28 th IEEE EMBS Annual International Conference; bearing dates of 8/30/2006-9/03/2006 and 2006; pp. 2421-2424; IEEE
	EP	BERLINGER, NORMAN T.; "Robotic Surgery – Squeezing into Tight Places"; New England Journal of Medicine; bearing dates of 5/17/2006, 5/18/2006, and 2006; pp. 2099-2101; Massachusetts Medical Society; located at www.nejm.org

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	EQ	BEZROUK, A.; HANUŠ, J.; ZÁHORA, J.; "TEMPERATURE CHARACTERISTICS OF NITINOL SPIRAL STENTS"; SCRIPTA MEDICA (BRNO); bearing dates of 08/2005, 10/2005; pp. 219-226; Vol. 78, No. 4
	ER	BIALEK, WILLIAM; RIEKE, FRED; DE RUYTER VAN STEVENINCK, ROB R.; WARLAND, DAVID; "Reading a Neural Code"; Science; bearing a date of 06/28/1991; pp. 1854-1857; Vol. 252
	ES	BUCHER, VOLKER; GRAF, MICHAEL; STELZLE, MARTIN; NISCH, WILFRIED; "Low-Impedance Thin-Film Polycrystalline Silicon Microelectrodes for Extracellular Stimulation and Recording"; Biosensors and Bioelectronics; bearing a date of 1999; pp. 639-649; Vol. 14; Elsevier Science S.A.; located at: www.elsevier.com/locate/bios
	ET	BUTSON, CHRISTOPHER R.; MCINTYRE, CAMERON C.; "Role of Electrode Design on the Volume of Tissue Activated During Deep Brain Stimulation"; Journal of Neural Engineering; bearing a date of 2006; Vol. 3; pp. 1-8; IOP Publishing Ltd
	EU	CHANG, SUK TAI; PAUNOV, VESSELIN N.; PETSEV, DIMITER N.; VELEV, ORLIN D.; "Articles: Remotely Powered Self-Propelling Particles and Micropumps Based on Miniature Diodes"; Nature Materials; bearing a date of 2007; pp. 1-6; Nature Publishing Group; located at: www.nature.com/naturematerials
	EV	CHEN, HAITAO; EBNER, ARMIN D.; RITTER, JAMES A.; KAMINSKI, MICHAEL D.; ROSENGART, AXEL J.; "Sequestration of Blood-Borne Magnetic Drug Carrier Particles Using Magnetizable Intravascular Stents"; Collaborative Investigators for Applied Nanotechnology in Medicine; pp. 1; Chicago, Illinois.
	EW	CHEN, TING; BARTON, SCOTT CALABRESE, BINYAMIN, GARY; GAO, ZHIQIANG; ZHANG, YONGCHAO, KIM, HYUG-HAN; HELLER, ADAM; "A Miniature Biofuel Cell"; Journal of the American Chemical Society; 08-11-2001; pp. 8630-8631; Vol. 123; 2001 American Chemical Society
	EX	CHRISTENSEN, BILL; "Musclebot: Microrobot with a Heart"; Technovelgy.com; pp. 1-2; bearing a date of 2/27/2004; located at http://www.technovelgy.com/ct/Science-Fiction-News.asp?NewsNum=46 ; printed on 9/12/2006

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		Filing Date	April 19, 2004		
		First Named Inventor	Lowell L. Wood, Jr.		
		Group Art Unit	3763		
		Examiner Name	Catherine S. Williams		
Sheet	8	of	19	Attorney Docket Number	0803-004-001D-000000

NON PATENT LITERATURE DOCUMENTS		
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EY		CHRISTENSEN, BILL; "Propulsion System for 'Fantastic Voyage' Robot"; Technovelgy.com; pp. 1-4; Technovelgy.com; located http://www.technovelgy.com/ct/Science-Fiction-News.asp?NewsNum=811 ; printed on 1/4/2007
EZ		COSTAMAGNA; GUIDO M.D.; "PillCam™ SB Capsule Endoscopy"; Given Imaging.com; bearing dates of 2001-2006; pp. 1-4; located at http://www.givenimaging.com/Cultures/en-US/Given/English/Products/CapsuleEndoscopy/ ; printed on 5/04/2006
FA		CUI, XINYAN; HETKE, JAMILLE F.; WILER, JAMES A.; ANDERSON, DAVID J.; MARTIN, DAVID C.; "Electrochemical Deposition and Characterization of Conducting Polymer Polypyrrole/PPS on Multichannel Neural Probes"; Sensors and Actuators A Physical; bearing a date of 2001; pp. 8-18; Vol. 93; Elsevier Science B.V.; located at: www.elsevier.com/locate/sna
FB		DARIO, P.; CARROZZA, M.C.; LENCIONI, L.; MAGNANI, B.; D'ATTANASIO, S.; "A Micro Robotic System for Colonoscopy"; Proceedings of the 1997 IEEE International Conference on Robotics and Automation; bearing dates of 04/1997 and 1997; pp. 1567-1572; IEEE
FC		DILLIER, NORBERT; LAI, WAI KONG; ALMQVIST, BENGT; FROHNE, CAROLIN; MÜLLER-DEILE, JOACHIM; STECKER, MATTHIAS; VON WALLENBERG, ERNST; "Measurement of the Electrically Evoked Compound Action Potential Via a Neural Response Telemetry System"; Annals Of Otology Rhinology and Laryngology; bearing a date of 05/2002; pp. 407-414; Vol. 111, No. 5; Annals Publishing Company
FD		DONGXIANG, CHI; GUOZHENG, YAN; "An earthworm based miniature robot for intestinal inspection"; Proceedings of SPIE; bearing dates of 11/07/2001-11/09/2001; pp. 396-400; Volume 4601; SPIE
FE		DONOGHUE, JOHN P.; "Review: Connecting Cortex to Machines: Recent Advances in Brain Interfaces"; Nature Neuroscience Supplement; bearing a date on 11/2002; pp. 1085-1088; Vol. 5; Nature Publishing Group; located at: http://www.nature.com/natureneuroscience

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		Examiner Name	Catherine S. Williams		
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	FF	FANG, ZI-PING; MORTIMER, J. THOMAS; "Selective Activation of Small Motor Axons by Quasitrapezoidal Current Pulses"; IEEE Transactions on Biomedical Engineering; bearing a date of 02/1991; pp. 168-174; Vol. 38, No. 2; IEEE
	FG	FIACCABRINO, G.C.; TANG, X.-M.; SKINNER, N.; DE ROOIJ, N.F.; KOUDDELKA-HEP, M.; "Electrochemical Characterization of Thin-Film Carbon Interdigitated Electrode Arrays"; Analytica Chimica Acta; bearing a date of 1996; pp. 155-160; Vol. 326; Elsevier Science B.V.
	FH	FREITAS JR., ROBERT A.; "8.2.1.2 Arteriogenous Microcirculation"; "9.4.3.5 Legged Ambulation"; "9.4.3.6 Tank-Tread Rolling"; "9.4.3.7 Amoeboid Locomotion"; "9.4.3.8 Inchworm Locomotion"; "Nanomedicine Volume I: Basic Capabilities"; bearing a date of 1999; pp. 211-214, pp. 316-318; Landes Bioscience; Georgetown, Texas, USA
	FI	GITTER, ALFRED H.; FROMM, MICHAEL; SCHULZKE, JÖRG-DIETER; "Impedance Analysis for the Determination of Epithelial and Subepithelial Resistance in Intestinal Tissues"; Journal of Biochemical and Biophysical Methods, bearing a date of 1998; pp. 35-46; Vol. 37; Elsevier Science B.V.
	FJ	GODA, YUKIKO; COLICOS, MICHAEL A.; "Protocol: Photoconductive Stimulation of Neurons Cultured on Silicon Wafers"; Nature Protocols; bearing a date of 2006; pp. 461-467; Vol. 1, No. 1; Nature Publishing Group; located at: http://www.nature.com/natureprotocols
	FK	GOZANI, SHAI N.; MILLER, JOHN P.; "Optimal Discrimination and Classification of Neuronal Action Potential Waveforms from Multiunit, Multichannel Recordings Using Software-Based Linear Filters"; IEEE Transactions on Biomedical Engineering; bearing a date of 04/1994; pp. 358-372; Vol. 41, No. 4; IEEE
	FL	GRAY, CHARLES M.; MALDONADO, PEDRO E.; WILSON, MATHEW; MCNAUGHTON, BRUCE; "Tetodes Markedly Improve the Reliability and Yield of Multiple Single-Unit Isolation from Multi-Unit Recordings in Cat Striate Cortex"; Journal of Neuroscience Methods; bearing a date of 1995; pp. 43-54; Vol. 63; Elsevier Science B.V.

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	FM	HAGLEITNER, C.; HIERLEMANN, A.; LANGE, D.; KUMMER, A.; KERNESS, N.; BRAND, O.; BALTES, H.; "Smart single-chip gas sensor microsystem"; Nature; November 15, 2001; pp. 293-296; Vol. 414; Macmillan Magazines Ltd.; www.nature.com
	FN	HANNA, DARRIN M.; OAKLEY, BARBARA A.; STRYKER, GABRIELLE A.; "Using a System-on-Chip Implantable Device to Filter Circulating Infected Cells in Blood or Lymph"; IEEE Transactions on Biomedical Engineering; bearing dates of January 25, 2003, March 2003; pp. 6-13; Vol. 2, No. 1; IEEE
	FO	HODGKIN, A.L.; HUXLEY, A.F.; "A Quantitative Description of Membrane Current and its Application to Conduction and Excitation in Nerve"; Journal of Physiology; bearing a date of 1952; pp. 500-544; Vol. 117
	FP	HØEG, H.D.; SLATKIN, A.B.; BURDICK, J.W.; GRUNDFEST, DR. WARREN S.; "Biomechanical Modeling of the Small Intestine as Required for the Design and Operation of a Robotic Endoscope"; Proceedings ICRA '00 IEEE International Conference on Robotics and Automation; 4/24/2000-4/28/2000; pp. 1-8; Volume 2
	FQ	HOFMANN, U.G.; FOLKERS, A.; MÖSCH, F.; HÖHL, D.; KINDLUNDH, M.; NORLIN, P.; "A 64(128)-Channel Multisite Neuronal Recording System"; bearing a date of 2002; pp. 1-4
	FR	IKEUCHI, K.; YOSHINAKA, K.; HASHIMOTO, S.; TOMITA, N.; "Locomotion of Medical Micro Robot with Spiral Ribs Using Mucus"; Seventh International Symposium on Micro Machine and Human Science; bearing a date of 1996; pp. 217-222; IEEE
	FS	INMANN, ANDREAS; HAUGLAND, MORTEN; HAASE, JENS; BIERING-SØRENSEN, FIN; SINKJAER, THOMAS; "NeuroReport: Signals from Skin Mechanoreceptors used in Control of a Hand Grasp Neuroprosthesis"; Motor Systems; bearing a date of 09/17/2001; pp. 2817-2819; Vol. 12, No. 13; Lippincott Williams & Wilkins
	FT	JANDERS, M.; EGERT, U.; STELZE, M.; NISCH, W.; "Novel Thin Film Titanium Nitride Micro-Electrodes with Excellent Charge Transfer Capability for Cell Stimulation and Sensing Applications"; IEEE Engineering in Medicine and Biology Society; bearing a date of 1996; pp. 245-247; IEEE

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	FU	“Japanese Researchers Unveil Medical Mini Robot”; Yahoo! News; bearing a date of 03/08/2007; pp. 1-2; Yahoo! Inc.; located at: http://news.yahoo.com/s/afp/20070308/hl_afp/afplifestyleshealthscience ; printed on 03/08/2007
	FV	Ji, Jin; NAJAFI, KHALIL, WISE, KENSALL D.; “A Low-Noise Demultiplexing System for Active Multichannel Microelectrode Arrays”; IEEE Transactions of Biomedical Engineering; bearing a date of 01/1991; pp. 77-81; Vol. 38, No. 1; IEEE
	FW	KASSIM, IRWAN; PHEE, LOUIS; NG, WAN S.; GONG, FENG; DARIO, PAOLO; MOSSE, CHARLES A.; “Locomotion Techniques for Robotic Colonoscopy”; IEEE ENGINEERING IN MEDICINE AND BIOLOGY MAGAZINE; bearing dates of May/June 2006 and 2006; pp. 49-56; IEEE
	FX	KENNEDY, P.R.; BAKAY, R.A.E.; MOORE, M.M.; ADAMS, K.; GOLDWAITHE, J.; “Direct Control of a Computer from the Human Central Nervous System”; IEEE Transactions on Rehabilitation Engineering; bearing a date of 06/2000; pp. 198-202; Vol. 8, No. 2; IEEE
	FY	KOBETIC, RUDI; TRIOLO, RONALD J.; UHLIR, JAMES P.; BIERI, CAROLE; WIBOWO, MICHAEL; POLANDO, GORDIE; MARSOLAIS, E. BYRON; DAVIS JR., JOHN A.; FERGUSON, KATHLEEN A.; SHARMA, MUKUT; “Implanted Functional Electrical Stimulation System for Mobility in Paraplegia: A Follow-Up Case Report”; IEEE Transactions on Rehabilitation Engineering; bearing a date of 12/1999; pp. 390-398; Vol. 7, No. 4; IEEE
	FZ	KRUEGER, CURTIS; “New light on blood testing”; October 20, 2006; pp. 1-2; St. Petersburg Times; printed on 10/24/2006; located at http://www.sptimes.com/2006/10/20news_pf/Tampabay/New_light_on_blood_testing.html
	GA	LANGER, ROBERT; PEPPAS, NICHOLAS A.; “Advances in Biomaterials, Drug Delivery, and Bionanotechnology”; AIChE Journal – BIOENGINEERING, FOOD, AND NATURAL PRODUCTS; December 2003; pp. 2990-3006; Vol. 49, No. 12
	GB	LOEB, G.E.; PECK, R.A.; MARTYNIUK, J.; “Toward the Ultimate Metal Microelectrode”; Journal of Neuroscience Methods; bearing a date of 1995; pp. 175-183; Vol. 63; Elsevier Science B.V.

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	GC	LOEB, GERALD E.; PECK, RAYMOND A.; MOORE, WILLIAM H.; HOOD, KEVIN; "BION System for Distributed Neural Prosthetic Interfaces"; Medical Engineering and Physics; bearing a date of 2001; pp. 9-18; Vol. 23; Elsevier Science Ltd.; located at: www.elsevier.com/locate/medengphy
	GD	LU, ZHAO; MARTEL, SYLVAIN; "Preliminary Investigation of Bio-carriers Using Magnetotactic Bacteria"; Proceedings of the 28 th IEEE EMBS Annual International Conference; bearing dates of 8/30/2006-9/03/2006 and 2006; pp. 3415-3418; IEEE
	GE	MANGAN, ELIZABETH V.; KINGSLEY, DAN A.; QUINN, ROGER D.; CHIEL, HILLEL J.; "Development of a Peristaltic Endoscope"; IEEE International Conference on Robotics & Automation 2002; pp. 1-6; located at http://biorobots.cwru.edu/publications/ICRA02_Mangan_Endoscope.pdf
	GF	MARKS, WILLIAM B.; LOEB, GERALD E.; "Action Currents, Internodal Potentials, and Extracellular Records of Myelinated Mammalian Nerve Fibers Derived from Node Potentials"; Biophysical Journal; 1976; pp. 655-668; Vol. 16
	GG	MARTEL, SYLVAIN; "Fundamentals of high-speed piezo-actuated three-legged motion for miniature robots designed for nanometer-scale operations"; pp. 1-8
	GH	MARTEL, SYLVAIN; "Towards MRI-Controlled Ferromagnetic and MC-1 Magnetotactic Bacterial Carriers for Targeted Therapies in Arterioloacipillar Networks Stimulated by Tumoral Angiogenesis"; Proceedings of the 28 th IEEE EMBS Annual International Conference; bearing dates of 8/30/2006-9/03/2006 and 2006; pp. 3399-3402; IEEE
	GI	MARTEL, SYLVAIN; MATHIEU, JEAN-BAPTISTE; FELFOUL, OUAJDI; CHANU, ARNAUD; ABOUSSOUAN, ERIC; TAMAZ, SAMER; POUPONNEAU, PIERRE; "Automatic Navigation of an Untethered Device in the Artery of a Living Animal using a Conventional Clinical Magnetic Resonance Imaging System"; Applied Physics Letters; 2007; pp. 114105-1 – 114105-3; Vol. 90, No. 114105; American Institute of Physics
	GJ	MATHIEU, J-B.; MARTEL, S.; YAHIA, L'H.; SOULEZ, G.; BEAUDOIN, G.; "MRI Systems as a Mean of Propulsion for a Microdevice in Blood Vessels"; bearing a date of 2003; pp. 3419-3422; IEEE

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	GK	MATSUI, TAKEMI; MATSUMURA, KOUJI; HAGISAWA, KOUSUKE; ISHIHARA, MASAYUKI; ISHIZUKA, TOSHIKI; SUZUKI, MINORU; KURITA, AKIRA; KIKUCHI, MAKOTO; "A Novel Ferromagnetic Thermo-Stent for Plaque Stabilization That Self-Regulates the Temperature"; IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING; bearing dates of 06/2002 and 2002; pp. 621-623; Vol. 49, No. 6; IEEE
	GL	MCNEAL, DONALD R.; "Analysis of a Model for Excitation of Myelinated Nerve"; IEEE Transactions on Biomedical Engineering; bearing a date of 07/1976; pp. 329-337; Vol. BME-23, No. 4
	GM	MEIER, P.; OBERTHÜR, S.; LANG, M.; "Development of a compliant device for minimally invasive surgery"; Proceedings of the 28 th IEEE EMBS Annual International Conference; bearing dates of 8/30/2006-9/03/2006 and 2006; pp. 331-334; IEEE
	GN	"MEMS at the cutting edge®, Patent Pending"; VERIMETRA; pp. 1-2; located at http://www.verimetra.com/flow.htm ; printed on 5/04/2006
	GO	MENCIASSI, A.; PARK, JONG H.; LEE, S.; GORINI, S.; DARIO, P.; PARK, JONG-OH; "Robotic Solutions and Mechanisms for a Semi-Autonomous Endoscope"; Proceedings of the 2002 IEEE/RSJ International Conference on Intelligent Robots and Systems; bearing a date of 2002; pp. 1379-1384; IEEE
	GP	MOHSENI, KAMRAN; "Biomimetic & Bio-Inspired Aerial and Underwater Vehicles"; bearing a date of 09-23-2006; pp. 1-10; printed on 01/04/2007; located at http://enstrophy.colorado.edu/~mohseni/MicroVehicles1.html#UUV1#UUV1
	GQ	MOSSE, CHARLES; MILLS, TIM; APPLEYARD, MARK; SWAIN, PAUL; "Electrostimulation to move endoscopes in the small bowel"; Proceedings of SPIE; bearing a date of 2001; pp. 24-28; Volume 4158
	GR	MURTHY, S. NARASIMHA; HIREMATH, SHOBHA RANI R.; "Physical and Chemical Permeation Enhancers in Transdermal Delivery of Terbutaline Sulphate"; AAPS PharmSciTech; bearing a date of 2001; pp. 1-5; Vol. 2001, 2(1); Technical Note 1; located at http://www.pharmscitech.com/

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		Filing Date	April 19, 2004		
		First Named Inventor	Lowell L. Wood, Jr.		
		Group Art Unit	3763		
		Examiner Name	Catherine S. Williams		
Sheet	14	of	19	Attorney Docket Number	0803-004-001D-000000

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	GS	NAKAYAMA, YASUhide; JI-YOUN, KIM; NISHI, SHOGO; UENO, HIKARU; MATSUDA, TAKEHISA; "Development of high-performance stent: gelatinous photogel-coated stent that permits drug delivery and gene transfer"; J Biomed Mater Res; bearing dates of 11/13/2000, 04/23/2001, 05/10/2001 and 2001; pp. 559-566; Vol. 57; John Wiley & Sons, Inc.
	GT	NAQVI, NASIR H.; RUDRAUF, DAVID; DAMASIO, HANNA; BECHARA, ANTOINE; "Damage to the Insula Disrupts Addiction to Cigarette Smoking"; Science; bearing a date of 01/26/2007; pp. 531-534; Vol. 315, No. 531; located at: www.sciencemag.org ; printed on 01/25/2007
	GU	NETO, A.M. FIGUEIREDO; GODINHO, M.H.; TOTH-KATONA, T.; PALFFY-MUHORAY, P.; "Optical, Magnetic and Dielectric Properties of Non-Liquid Crystalline Elastomers Doped with Magnetic Colloids"; Brazilian Journal of Physics; Bearing a date of March 2005; pp. 184-189; Volume 35, Number 1
	GV	"New Medical Device Combines Wireless and MEMS Technology"; Georgia Institute of Technology; pp. 1-4; PhysOrg.com; located at: http://www.physorg.com/printnews.php?newsid=10533 ; printed on 02/20/2006
	GW	NIEUWENHUIZEN-BERKOVITS, P.; "lubrelastic medical appliances"; Lubrelastic Medical Appliances; pp. 1-4; located at: http://www.xs4all.nl/~plien070/caeng.html ; printed on 02/20/2006
	GX	NYITRAI, ZSOLT; ILLYEFALVI-VITÉZ, ZSOLT; PINKOLA, JÁNOS; "Preparing Stents with Masking & Etching Technology"; 26 th International Spring Seminar on Electronics Technology; bearing dates of 5/8/2003-5/11/2003 and 2003; pp. 321-324; IEEE
	GY	OLSSON III, R.H.; GULARI, M.N.; WISE, K.D.; "Poster 114: Silicon Neural Recording Arrays with On-Chip Electronics for <i>In-Vivo</i> Data Acquisition"; Microtechnologies in Medicine and Biology; bearing dates of 05/02/2002-05/04/2002; pp. 237-240; IEEE
	GZ	OWEISS, KARIM G.; ANDERSON, DAVID J.; "A New Technique for Blind Source Separation Using Subband Subspace Analysis in Correlated Multichannel Signal Environments"; bearing a date of 2001; pp. 2813-2816; IEEE

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		First Named Inventor	Lowell L. Wood, Jr.		
		Group Art Unit	3763		
		Examiner Name	Catherine S. Williams		
Sheet	15	of	19	Attorney Docket Number	0803-004-001D-000000

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	HA	PATRONIK, N.A.; OTA, T.; ZENATI, M.A.; RIVIERE, C.N.; "Improved Traction for a Mobile Robot Traveling on the Heart"; Proceedings of the 28 th IEEE EMBS Annual International Conference; bearing dates of 8/30/2006-9/03/2006 and 2006; pp. 339-342; IEEE
	HB	PCT International Search Report App. No.: PCT/US05/33475; dated 05 September 2006; pp. 1-2.
	HC	PECKHAM, P. HUNTER; KNUTSON, JAYME S.; "Functional Electrical Stimulation for Neuromuscular Applications"; Annual Review Biomedical Engineering; bearing a date of 2005; pp. 327-360; Vol. 7; Annual Reviews
	HD	RATTAY, F.; "The Basic Mechanism for the Electrical Stimulation of the Nervous System"; Neuroscience; 1999; pp. 335-346; Vol. 98. No. 2; Elsevier Science Ltd; printed on 03/15/2007
	HE	RATTAY, FRANK, ABERHAM, MATTHIAS; "Modeling Axon Membranes from Functional Electrical Stimulation"; IEEE Transactions on Biomedical Engineering; bearing a date of 12/1993; pp. 1201-1209; Vol. 40, No. 12; IEEE
	HF	RATTAY, FRANK; "Analysis of Models for Extracellular Fiber Stimulation"; IEEE Transactions on Biomedical Engineering; bearing a date of 07/1989; pp. 676-682; Vol. 36, No. 7; IEEE
	HG	"Remote-Control Electrostimulation Capsule"; Popular Science; bearing dates of 2002 and 2003; pp. 1-2; located at http://www.popsoci.com/popsoci/brown/2003/article/0.18881.537028.00.html ; printed on 5/04/2006
	HH	"Researchers: Squid-Inspired Vortex Generators Could Mean Better Propulsion for Unmanned Underwater Vehicles"; UnderwaterTimes.com; 12/12/2006; pp. 1-2; UnderwaterTimes.com; printed on 01/04/2007; located at http://www.underwatertimes.com/print.php?article_id=51030782641
	HI	RICE, MIKE; "Implantable Neurostimulation Device Market Poised for Explosive Growth"; Future Fab International; 1/7/2006; pp. 1-4; printed on 10/6/2006; located at http://www.future-fab.com/documents.asp?d_ID=3725

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	HJ	RICE, MIKE; "New Products, Emphasis on Miniaturization Driving Medical Device Innovation"; bearing a date 8/23/2006; pp. 1-3; Advantage Business Media; located at http://www.indtmag.com/scripts/ShowPR.asp?PUBCODE=046&ACCT=0006109&IS SUE=0603&RELTYPE=PR&PRODCODE=0790&PRODLETT=A ; printed on 8/23/2006
	HK	RIEDMÜLLER, J.; BOLZ, A.; REBLING, H.; SCHALDACH, M.; "Improvement of Stimulation and Sensing Performance of Bipolar Pacemaker Leads"; IEEE Eng. Med. Biol. Soc.; 1992; pp. 2364-2365; IEEE
	HL	ROBINSON, DAVID A.; "The Electrical Properties of Metal Microelectrodes"; Proceedings of the IEEE; bearing a date of 06/1968; pp. 1065-1071; Vol. 56, No. 6
	HM	ROUSCHE, PATRICK J.; PELLINEN, DAVID S.; PIVIN, DAVID P.; WILLIAMS, JUSTIN C.; VETTER, RIO J.; KIPKE, DARYL R.; "Flexible Polyimide-Based Intracortical Electrode Arrays with Bioactive Capability"; IEEE Transactions on Biomedical Engineering; bearing a date 03/2001; pp. 361-371; Vol. 48, No. 3; IEEE
	HN	RUTTEN, WIM; MOUVEROUX, JEAN-MARIE; BUITENWEG, JAN; HEIDA, CISKA; RUARDIJ, TEUN; MARANI, ENRICO; LAKKE, EGBERT; "Neuroelectronic Interfacing with Cultured Multielectrode Arrays Toward a Cultured Probe"; Proceedings of the IEEE; bearing a date of 07/2001; pp. 1013-1029; Vol. 89, No. 7; IEEE
	HO	SALTZMAN, JOHN R.; "Endoscopic Advances -- A View Toward the Future"; bearing dates of 5/04/2006, 05/17/2005, and 2005; pp. 1-4; Medscape; located at http://www.medscape.com/viewarticle/505100 ; printed on 5/04/2006
	HP	SCHMIDT, W.; BEHRENS, P.; BEHREND, D.; SCHMITZ, K.-P.; ANDRESEN, R.; "Experimental Study of Peripheral, Balloon-expandable Stent Systems"; Progress in Biomedical Research; bearing a date of 05/2001; pp. 246-255
	HQ	SCHOONHOVEN, R.; STEGEMAN, D.F.; "Models and Analysis of Compound Nerve Action Potentials"; Critical Reviews in Biomedical Engineering; bearing a date of 1991; pp. 47-111; Vol. 19, No. 1; CRC Press, Inc.

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	HR	SENEL, SEVDA; HINCAL, A. ATILLA; "Drug permeation enhancement via buccal route: possibilities and limitations"; Journal of Controlled Release; bearing a date of 2001; pp. 133-144; Vol. 72 (2001); Elsevier; located at www.elsevier.com/locate/jconrel
	HS	SERRUYA, MIJAIL D.; HATSOPOULOS, NICHOLAS G.; PANINSKI, LIAM; FELLOWS, MATTHEW R.; DONOGHUE, JOHN P.; "Brief Communications: Instant Neural Control of a Movement Signal"; Nature; bearing a date of 03/14/2002; pp. 141-142; Vol. 416; Macmillan Magazines Ltd; located at: www.nature.com
	HT	SERRUYS, PATRICK W.; KUTRYK, MICHAEL J.B.; ONG, ANDREW T.L.; "Coronary-Artery Stents"; The New England Journal of Medicine; bearing dates of February 2, 2006 and February 15, 2006; pp. 483-495; Vol. 354;5; Massachusetts Medical Society
	HU	SHABALOVSKAYA, SVETLANA, A.; "Surface, corrosion and biocompatibility aspects of Nitinol as an implant material"; Bio-Medical Materials and Engineering; bearing dates of 04/04/2001, and 2002; pp. 69-109; Vol. 12; IOS Press
	HV	SHAHINPOOR, MOHSEN; KIM, KWANG J.; "Ionic polymer-metal composites: IV. Industrial and medical applications; Smart Materials and Structures; 2005; pp. 197-214; Vol. 14; Institute of Physics Publishing
	HW	SMITH, MICHAEL; "PAS: Nasal Spray Flu Vaccine Seems Safe and Effective in Young"; May 2, 2006; pp. 1-2; MedPage Today, LLC; bearing dates of 2004-2006; printed on 05/04/2006; located at http://www.medpagetoday.com/tbprint.cfm?tbid=3213
	HX	SNOEK, GJ; IJZERMAN, MJ; IN 'T GROEN, FACG; STOFFERS, TS; ZILVOLD, G; "Use of the NESS Handmaster to Restore Handfunction in Tetraplegia: Clinical Experiences in Ten Patients"; Spinal Cord; bearing a date of 2000; pp. 244-249; Vol. 38; International Medical Society of Paraplegia
	HY	SNOW, E.S.; PERKINS, F.K.; HOUSER, E.J.; BADESCU, S.C.; REINECKE, T. L.; "Chemical Detection with a Single-Walled Carbon Nanotube Capacitor"; Science; March 25, 2005; pp. 1942-1945; Vol. 307; www.sciencemag.org

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	HZ	STOECKEL, DIETER; PELTON, ALAN; DUERIG, TOM; "Self-expanding nitinol stents: material and design considerations"; European Radiology; bearing dates of 01/28/2003, 05/22/2003, 07/01/2003, 09/03/2003, 02/2004 and 2004; pp. 292-301(1-2); Vol. 14, No. 2; Springer-Verlag GmbH-SpringerLink - Article; located at: http://www.springerlink.com/(1begg455gtgifseqqptyb43m)/app/home/contribution.asp?referrer=parent&backto=issue,17,26;journal,27,147;browsepublicationsresults,444,1551 ; printed on 02/22/2006
	IA	STRAUSS, BRADLEY H., M.D., PH.D.; LI, CHRIS, M.D.; WHITTINGHAM, HEATHER A., M.Sc.; TIO, FERMIN O., M.D.; KUTRYK, MICHAEL J.B., M.D., PH.D.; JANICKI, CHRISTIAN, PH.D.; SPARKES, JOHN, D., M.Sc.; TURNLUND, TODD, B.Sc.; SWEET, WILLIAM L., M.D.; "LATE EFFECTS OF LOW-ENERGY GAMMA-EMITTING STENTS IN A RABBIT ILIAC ARTERY MODEL"; Int. J. Radiation Oncology Biol. Phys.; bearing dates of 10/23/2001, 05/13/2002 and 05/15/2002 and 2002; pp. 551-561; Vol. 54, No. 2; Elsevier Science Inc.
	IB	STRUIJK, JOHANNES JAN; "The Extracellular Potential of a Myelinated Nerve Fiber in an Unbounded Medium and in Nerve Cuff Models"; Biophysical Journal; bearing a date of 06/1997; pp. 2457-2469; Vol. 72; Biophysical Society
	IC	TAYLOR, DAWN M.; HELMS TILLERY, STEPHEN I.; SCHWARTZ, ANDREW B.; "Research Article: Direct Cortical Control of 3D Neuroprosthetic Devices"; Science; bearing a date of 06/07/2002; pp. 1829-1832; Vol. 296; located at: www.sciencemag.org
	ID	"Tiny Robot Reduces Need For Surgery"; Pink Tentacle; bearing a date of 02/26/2007; p.1; located at http://www.pinktentacle.com/2007/02/tiny-robot-reduces-need-for-surgery ; printed on 03/08/2007
	IE	"Trying to control pain can be a double-edged sword, say scientists"; PhysOrg.com; printed on 11/2/2006; pp. 1-2; located at http://www.physorg.com/printnews.php?newsid=81599312
	IF	TUMMALA, R. LAL; MUKHERJEE, R.; ASLAM, D.; XI, NING; MAHADEVAN, S.; WENG, J.; "Reconfigurable Adaptable Micro-robot"; IEEE; bearing a date of 1999; pp. 687-691

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		Group Art Unit	3763		
		Examiner Name	Catherine S. Williams		
Sheet	19	of	19	Attorney Docket Number	0803-004-001D-000000

NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	IG	TWARDOCH, U.M.; "Integrity of Ultramicro-Stimulation Electrodes Determined from Electrochemical Measurements"; Journal of Applied Electrochemistry; bearing a date of 1994; pp. 835-857; Vol. 24; Chapman & Hall
	IH	WARLAND, DAVID K.; REINAGEL, PAMELA; MEISTER, MARKUS; "Decoding Visual Information from a Population of Retinal Ganglion Cells"; bearing a date of 1997; pp. 2336-2350; The American Physiological Society
	II	WEIS, ROLF; MÜLLER, BERNT; FROMHERZ, PETER; "Neuron Adhesion on a Silicon Chip Probed by an Array of Field-Effect Transistors"; Physical Review Letters; bearing a date of 01/08/1996; pp. 327-330; Vol. 76, No. 2; The American Physical Society
	IJ	WESSBERG, JOHAN; STAMBAUGH, CHRISTOPHER R.; KRALIK, JERALD D.; BECK, PAMELA D.; LAUBACH, MARK; CHAPIN, JOHN K.; KIM, JUNG; BIGGS, S. JAMES; SRINIVASAN, MANDAYAM A.; NICOLELIS, MIGUEL A.L.; "Letters to Nature: Real-Time Prediction of Hand Trajectory by Ensembles of Cortical Neurons in Primates"; Nature; bearing a date of 11/16/2000; pp. 361-365; Vol. 408; Macmillan Magazines Ltd; located at: www.nature.com
	IK	WHITE, DAVE; "Mini Robot Explores, Gives you Medicine from Within"; Mobile Magazine; bearing a date of 02/27/2007; p. 1; located at: http://www.mobilemag.com/content/100/313/C11869/ ; printed on 03/08/2007
	IL	YUSA, GO; MURAKI, KOJI; TAKASHINA, KEI; HASHIMOTO, KATSUSHI; HIRAYAMA, YOSHIRO; "Controlled multiple quantum coherences of nuclear spins in a nanometre-scale device"; Nature; April 21, 2005; pp. 1001-1005; Vol. 434; 2005 Nature Publishing Group; www.nature.com/nature
	IM	"Zyvex NanoEffector Microgrippers"; Nanotechnology at Zyvex; printed on 12/7/2006; pp. 1-2; located at http://www.zyvex.com/Products/Grippers_Features.html
	IN	"Zyvex NanoEffector Microgrippers"; Zyvex.com; bearing a date of 2006; pp. 1-2; Zyvex Corporation

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